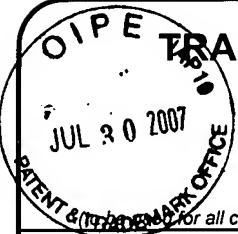
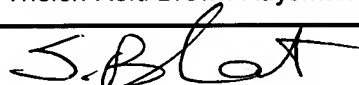
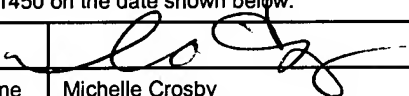


Cofc

 TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/803,097	
	Filing Date	Mar. 18, 2005	
	First Named Inventor	Richard L. Cunningham	
	Art Unit	2612	
	Examiner Name	Thomas Mullen	
Total Number of Pages in This Submission	5	Attorney Docket Number	IMMR-0189 (034701-112)

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) ____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Postcard Certificate of Correction Transmittal Letter for Certificate of Correction Page 4 of Response to Office Action
Remarks <div style="text-align: right;"> Certificate of Correction AUG 01 2007 </div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	Thelen Reid Brown Raysman & Steiner LLP		
Signature			
Printed Name	Suvashis Bhattacharya		
Date	7/26/07	Reg. No.	46,554

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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AUG 1 2007



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Richard L. Cunningham
SERIAL NO.: 10/803,097 CONFIRMATION No.: 5297
FILING DATE: Mar. 18, 2004
TITLE: Method and Apparatus For Providing Resistive Haptic Feedback
Using a Vacuum Source
PATENT NO.: 7,205,981
ISSUED: Apr. 17, 2007
EXAMINER: Thomas Mullen
ART UNIT: 2612


CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First Class
Mail in an envelope addressed to: ATTN: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450
Alexandria, VA 22313-1450, on the date
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Michelle Crosby

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Commissioner for Patents,
P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL FOR CERTIFICATE OF CORRECTION

We enclose, pursuant to the provisions of 37 C.F.R. §1.322, a Certificate of
Correction for United States Patent No. 7,205,981. Please make the Certificate of
Correction and the statements herein of record.

The corrections made to the above-identified United States Patent in the Certificate
of Correction filed herewith are to correct mistakes which are of a minor character
according to 35 U.S.C. §254 and 37 C.F.R. §1.322. The proposed corrections do not
constitute such changes in the patent as would constitute new matter or would require

AUG 1 2007

re-examination.

37 C.F.R. §1.322 Corrections

Please see attached Certificate of Correction.

No Fee Due

It is believed that no fee is required for filing the above-noted document. In the event any fee is required for filing of this Certificate of Correction, the Assistant Commissioner is hereby authorized to charge the fee to our Deposit Account No. 50-1698.

As can be seen in the enclosed sheet, a copy of Page 4 from the Amendment and Response to Office Action filed June 12, 2006, Applicant requested a change to para. [0052] such that reference numeral 910 would be changed to reference numeral 913. In the issued Patent, it has been changed to 213 instead.

Respectfully submitted,
THELEN REID BROWN
RAYSMAN & STEINER LLP

Dated:

7/26/07



Suvashis Bhattacharya
Reg. No. 46,554

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AUG 1 2007

Additionally, sensor 760 can measure, for example, relative or an absolute movement of moveable member 730. In the embodiment illustrated in FIG. 8, moveable member 730 is a rotating disk that is configured to rotate about an axis, "A." Thus, sensor 760 can output a position signal to the processor 770 based on the rotation of a moveable member 730. Processor 770 can output a haptic feedback signal based on the position signal to the vacuum source 710. Vacuum source 710 can then modify the pressure within housing 720 to thereby increase, or decrease the amount of friction applied by the housing 720 to the moveable member 730.

[0050] FIG. 10 is a top view of a rotational member including a circular housing 822. Circular housing 822 can be positioned a radial distance "d" from the axis "A", as described with reference to FIG. 8. As discussed above, the rim of the circular housing is configured to frictionally engage the moveable member 830. Thus, the total pressure applied by the housing 822 to the moveable member 830 would be the air pressure differential ($P_A - \delta$) times the ratio of the area of the surface area of the rim to the surface area of the moveable member. Using this relationship, a haptic feedback system can be constructed for many different haptic feedback devices that utilize resistive haptic feedback.

[0052] Track ball 930 and housing 920 can be located within a base structure 913, which is illustrated by a broken line. Base structure 913 can include any form of track ball structure and can include additional components, such as, for example, buttons, knobs, or switches. Any known track ball system configuration can be used.

[0056] FIG. 12 is a side view of a haptic feedback system, according to yet another embodiment of the invention. The haptic feedback system illustrated in FIG. 12 can be used in, for example, a

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CERTIFICATE OF CORRECTION

PATENT NO : 7,205,981

Page 1 of 1

APPLICATION NO. : 10/803,097

ISSUE DATE : Apr. 17, 2007

INVENTOR(S) : Richard L. Cunningham

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In the Specification, on Column 7, Line 55, the reference numeral "213" should be changed to --913--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Thelen Reid Brown Raysman & Steiner LLP
PO Box 640640
San Jose, CA 95164-0640

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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